

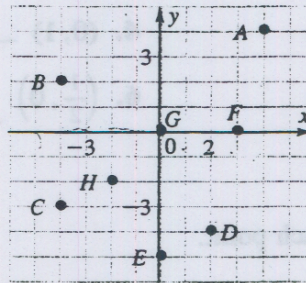
**PRACTICE EXERCISES**

Graph each ordered pair and name the quadrant or axis where each point lies.

- |                                   |                        |                                  |                         |
|-----------------------------------|------------------------|----------------------------------|-------------------------|
| 1. $(3, 4)$                       | 2. $(-4, 2)$           | 3. $(-3, -1)$                    | 4. $(4, -1)$            |
| 5. $(0, -2)$                      | 6. $(0, 3)$            | 7. $(7, 0)$                      | 8. $(-3, 0)$            |
| 9. $(-\frac{1}{2}, -\frac{1}{2})$ | 10. $(0, \frac{1}{2})$ | 11. $(\frac{1}{3}, \frac{1}{2})$ | 12. $(-\frac{1}{2}, 0)$ |

Give the coordinates of each point.

- |       |       |
|-------|-------|
| 13. A | 14. B |
| 15. C | 16. D |
| 17. E | 18. F |
| 19. G | 20. H |



The ordered pair  $(x, y)$  represents a point in a coordinate plane. Name the quadrant, point, or axis that satisfies the given conditions.

- |                         |                         |                         |
|-------------------------|-------------------------|-------------------------|
| 21. $x > 0$ and $y < 0$ | 22. $x < 0$ and $y > 0$ | 23. $x > 0$ and $y > 0$ |
| 24. $x = 0$ and $y = 0$ | 25. $x < 0$ and $y < 0$ | 26. $y = 0$             |

Graph a point that satisfies the given conditions.

- |                            |                            |
|----------------------------|----------------------------|
| 27. First coordinate is 4. | 28. y-coordinate is $-2$ . |
| 29. x-coordinate is 0.     | 30. Coordinates are equal. |

Find the coordinates of each point.

- The distance from the y-axis is 3 units and the distance from the x-axis is 4 units. The point is in Quadrant I.
- The distance from the y-axis is one unit and the distance from the x-axis is 2 units. The point is in Quadrant III.